

Figure 1

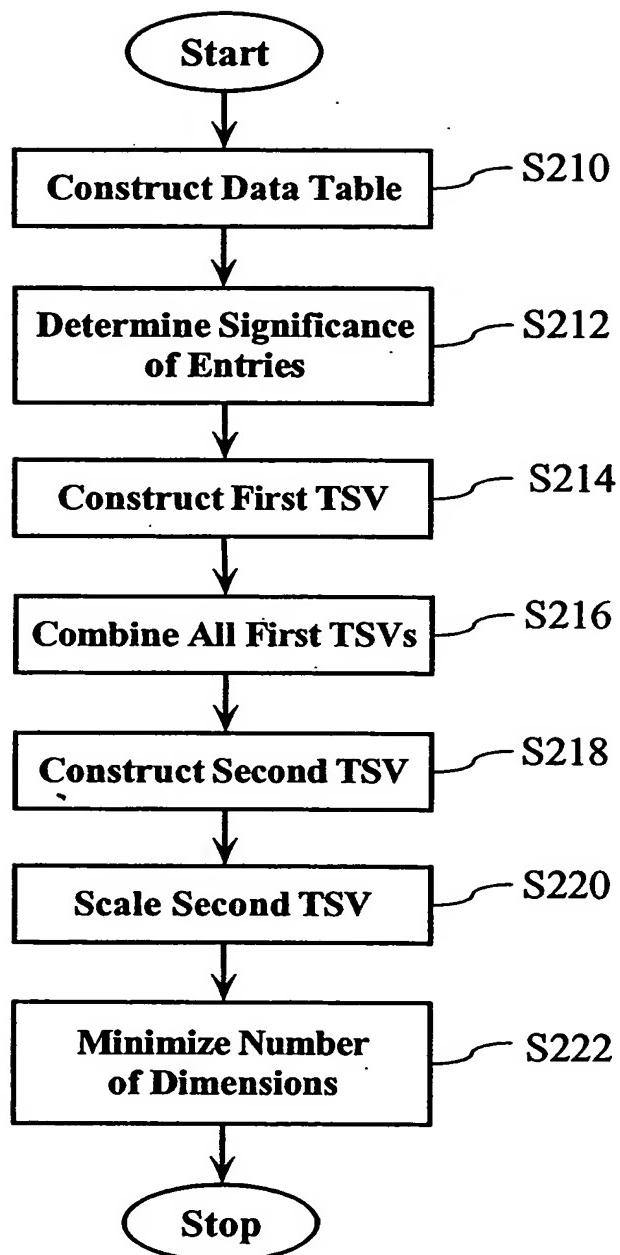


Figure 2

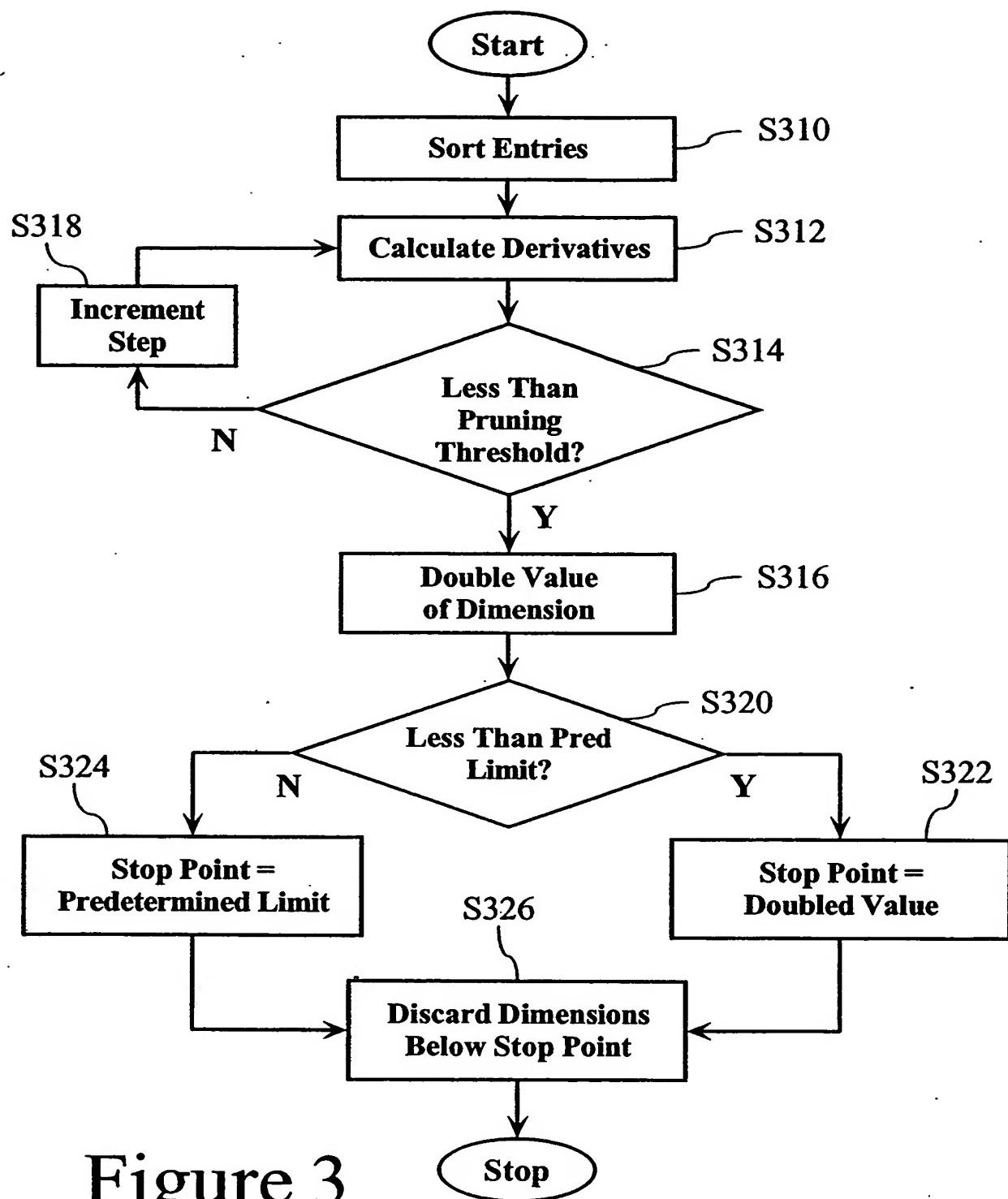


Figure 3

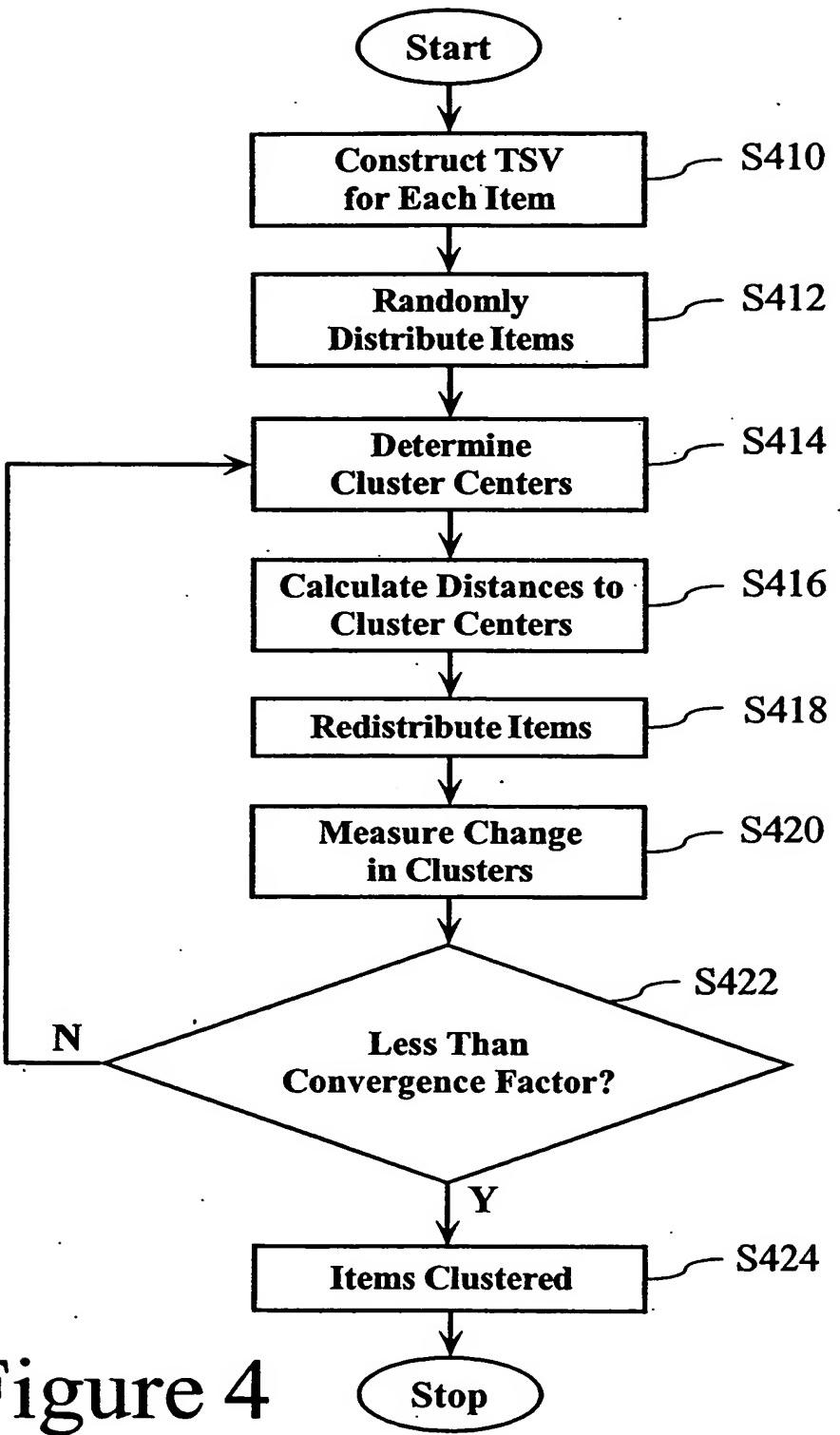


Figure 4

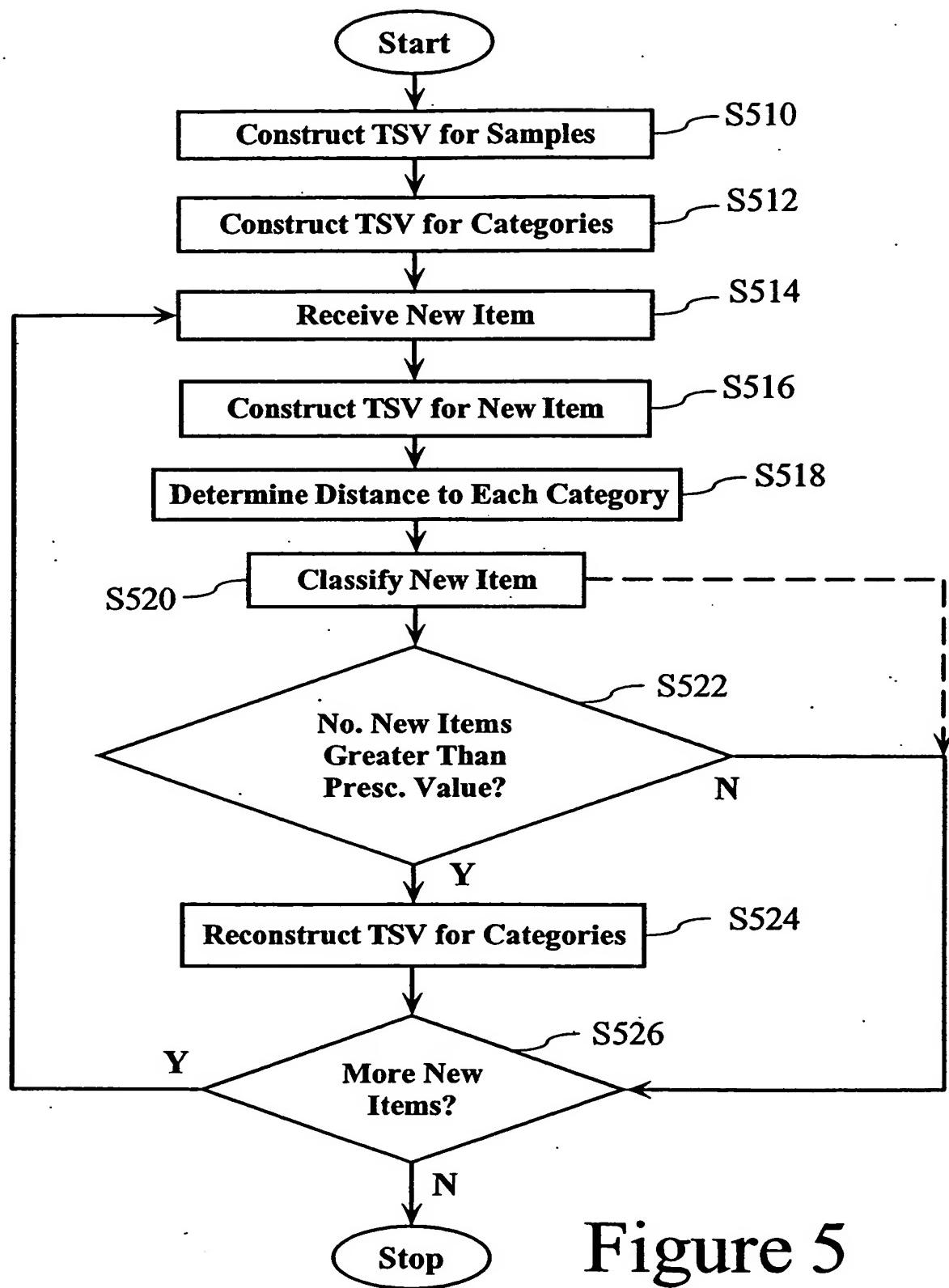


Figure 5

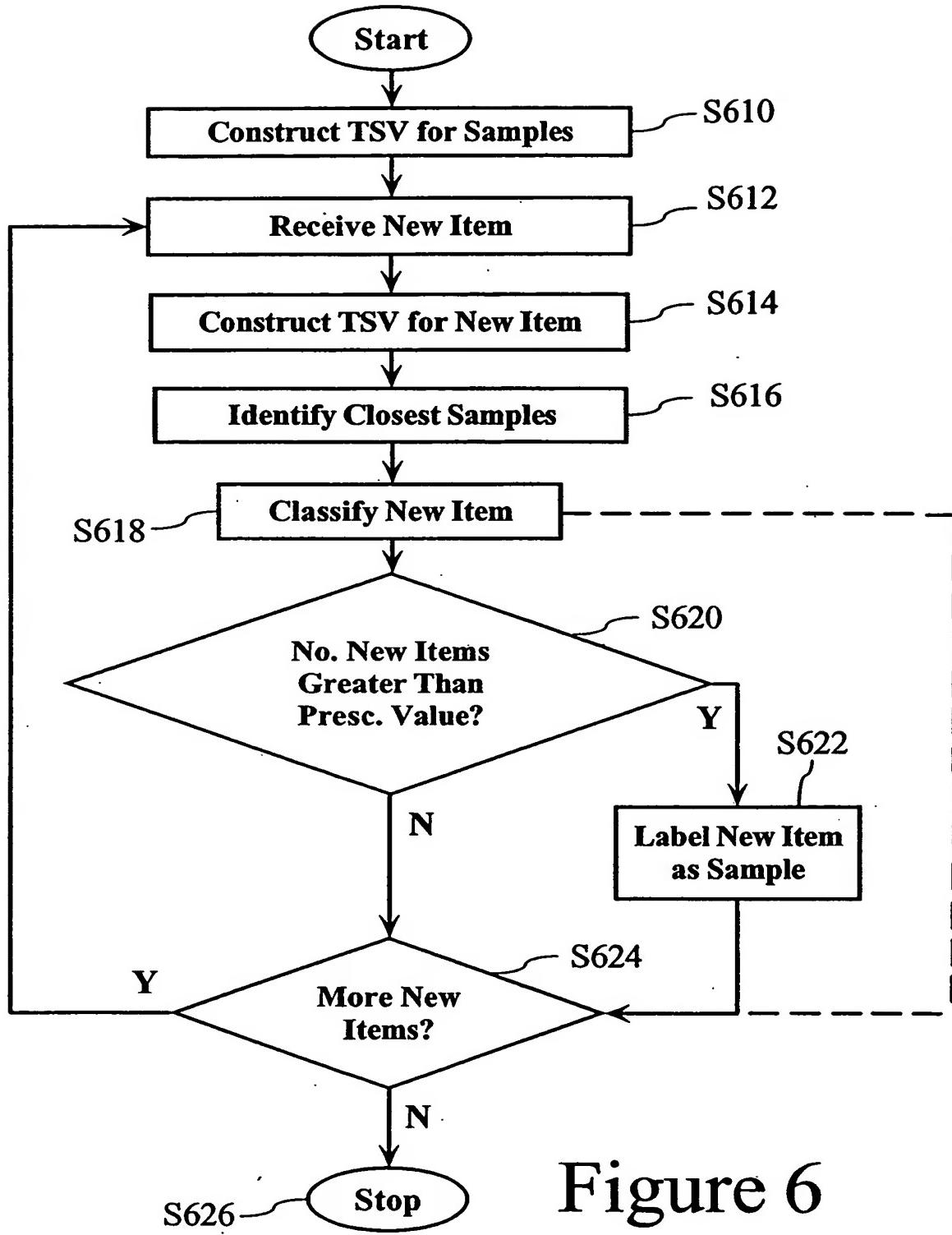


Figure 6

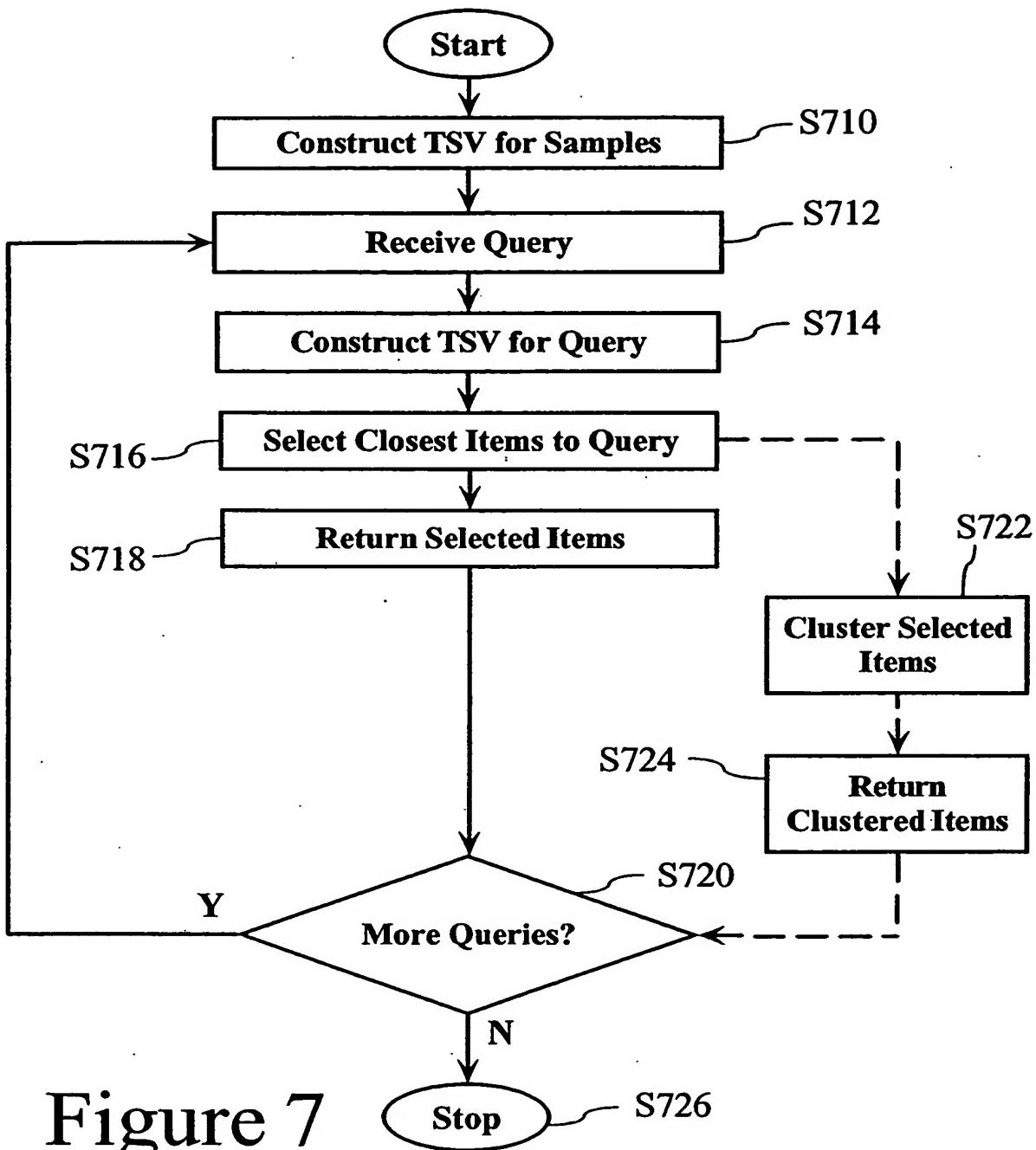


Figure 7

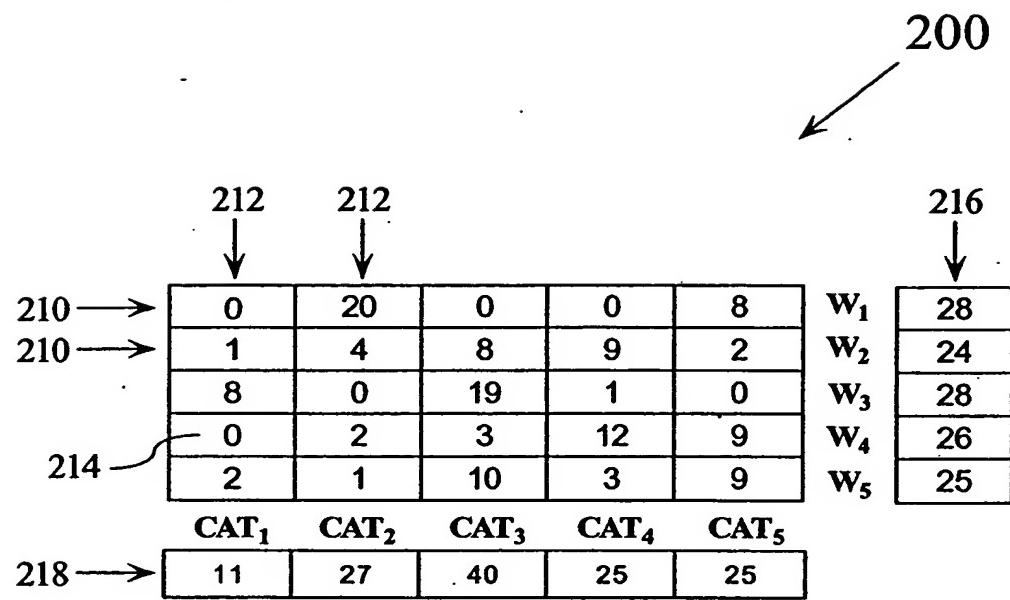


Figure 8

230

	CAT ₁	CAT ₂	CAT ₃	CAT ₄	CAT ₅
u(W ₁)	0.00	0.74	0.00	0.00	0.10
u(W ₂)	0.09	0.15	0.20	0.36	0.03
u(W ₃)	0.73	0.00	0.48	0.04	0.00
u(W ₄)	0.00	0.07	0.08	0.48	0.11
u(W ₅)	0.18	0.04	0.25	0.12	0.11
v(W ₁)	0.00	0.71	0.00	0.00	0.29
v(W ₂)	0.04	0.17	0.33	0.38	0.08
v(W ₃)	0.29	0.00	0.68	0.04	0.00
v(W ₄)	0.00	0.08	0.12	0.46	0.35
v(W ₅)	0.08	0.04	0.40	0.12	0.36

Figure 9

250

	CAT ₁	CAT ₂	CAT ₃	CAT ₄	CAT ₅
TSV(W ₁)	0.00	0.72	0.00	0.00	0.24
TSV(W ₂)	0.05	0.16	0.30	0.37	0.07
TSV(W ₃)	0.40	0.00	0.63	0.04	0.00
TSV(W ₄)	0.00	0.08	0.11	0.47	0.29
TSV(W ₅)	0.11	0.04	0.36	0.12	0.30

Figure 10

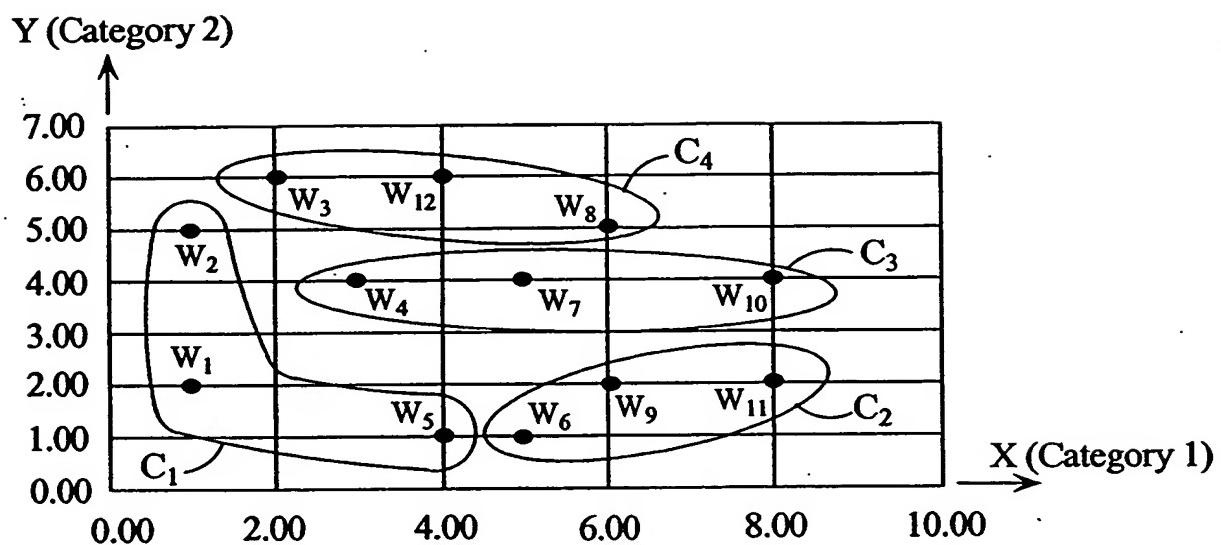


Figure 11

Categories

Words	X	Y
W ₁	1.00	2.00
W ₂	1.00	5.00
W ₃	2.00	6.00
W ₄	3.00	4.00
W ₅	4.00	1.00
W ₆	5.00	1.00
W ₇	5.00	4.00
W ₈	6.00	5.00
W ₉	6.00	2.00
W ₁₀	8.00	4.00
W ₁₁	8.00	2.00
W ₁₂	4.00	6.00

Figure 12

Categories



Cluster Centers	X	Y
C^c_1	2.00	2.66
C^c_2	6.33	1.66
C^c_3	5.33	4.00
C^c_4	3.00	5.66

Figure 13

	D_{C1}	D_{C2}	D_{C3}	D_{C4}
W_1	1.20	5.34	4.77	4.18
W_2	2.54	6.29	4.45	2.11
W_3	3.33	6.13	3.89	1.05
W_4	1.67	4.07	2.33	1.67
W_5	2.60	2.43	3.28	4.77
W_6	3.43	1.49	3.02	5.08
W_7	3.28	2.69	0.33	2.60
W_8	4.63	3.35	1.20	3.07
W_9	4.06	0.47	2.11	4.74
W_{10}	6.15	2.87	2.67	5.27
W_{11}	6.04	1.70	3.33	6.20
W_{12}	3.89	4.92	2.40	1.05

280



Figure 14

C_1	W_1	W_4		
C_2	W_5	W_6	W_9	W_{11}
C_3	W_7	W_8	W_{10}	
C_4	W_2	W_3	W_4	W_{12}

Figure 15

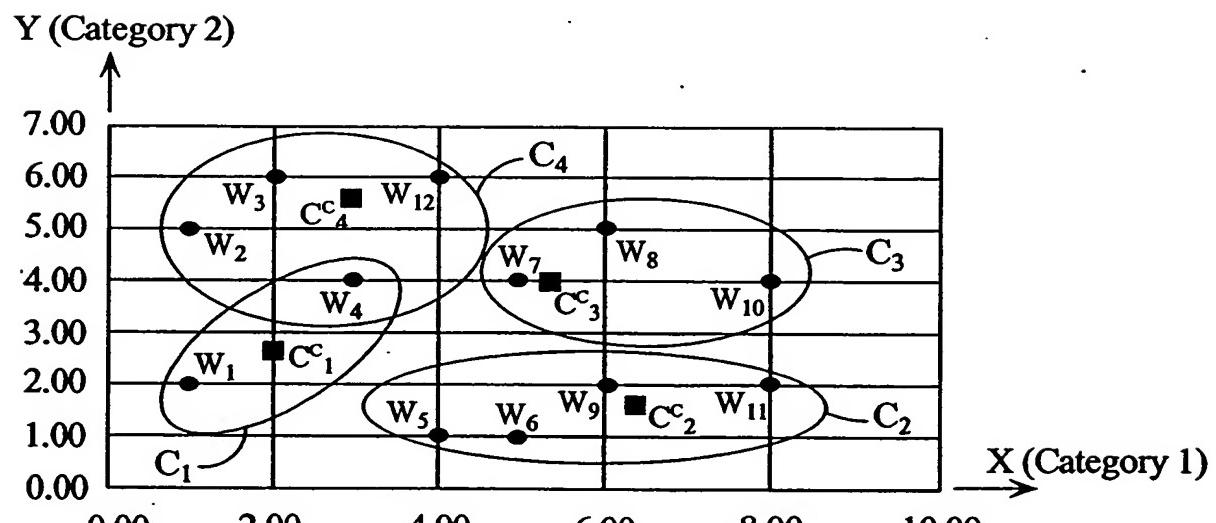


Figure 16